RAW SEQUENCE LISTING DATE: 08/09/2001 PATENT APPLICATION: US/09/817,762 TIME: 16:57:02

Input Set : A:\PTO.txt

Output Set: N:\CRF3\08092001\I817762.raw

```
4 <110> APPLICANT: Spalding, Edgar P.
                        Noh, Bosl
           7 <120> TITLE OF INVENTION: MDR-Like ABC Transporter Gene From
           8
                          Plants
         10 <130> FILE REFERENCE: 13238-00061
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/817,762
C--> 13 <141> CURRENT FILING DATE: 2001-03-26
         15 <150> PRIOR APPLICATION NUMBER: PCT/US99/22363
         16 <151> PRIOR FILING DATE: 1999-09-24
         18 <150> PRIOR APPLICATION NUMBER: US 60/101,814
         19 <151> PRIOR FILING DATE: 1998-09-25
         21 <160> NUMBER OF SEQ ID NOS: 14
         23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
         25 <210> SEQ ID NO: 1
         26 <211> LENGTH: 4051
         27 <212> TYPE: DNA
         28 <213> ORGANISM: Arabidopsis thaliana
         30 <220> FEATURE:
         31 <221> NAME/KEY: misc_feature
         32 <222> LOCATION: (94)...(0)
         33 <223> OTHER INFORMATION: Translation start codon
         35 <221> NAME/KEY: misc_feature
         36 <222> LOCATION: (3932)...(0)
         37 <223> OTHER INFORMATION: Stop codon
         39 <400> SEQUENCE: 1
                                                                                                                                                       60
         40 cttgaacttc acaaaacaat tgtcagattt tcaagaaaaa ctttataaaa caaaaaacat
         41 ticatictit cictototot cictoactgo toaatgatot ogittiotoa ciaaaccaac
                                                                                                                                                       120
         42 tegittette tiaettiett taacteggat etacaaaaaa eeatgitegga aactaacaca
                                                                                                                                                       180
         43 accgatgcca agactgttcc agcagaagca gagaagaaga aagaacagag tttaccattc
                                                                                                                                                       240
                                                                                                                                                       300
         44 tttaaactet tttetttege tgataaattt gattatetet taatgttegt tggttetett
         45 ggtgccattg ttcatggctc ttccatgcct gtcttctttt tactctttgg tcaaatggtt
                                                                                                                                                       360
                aatggatttg gtaaaaacca aatggattta catcaaatgg ttcatgaagt ctctagatat
         47
                                                                                                                                                       420
         48 tetetatatt tegtetaett gggtttggte glillyettet ettettaege agagatagea
                                                                                                                                                       480
         49 tgttggatgt attetggaga aagacaagta geageattaa ggaagaaata tettgaagea
                                                                                                                                                       540
                                                                                                                                                       600
         50 gtattaaaac aagacgttgg gttctttgat actgatgcta gaactggtga cattgtcttt
         51 agtgtttcta ctgatactct tcttgttcaa gatgccatta gtgaaaaggt tggaaacttt
                                                                                                                                                       660
                                                                                                                                                       720
         52 atacattacc totcaacatt tttggcggga ttagtagttg gatttgtatc agcatggaaa
         53 ttagetttgt taagtgttge tgtgatteee ggaategett tegeeggagg tttataeget
                                                                                                                                                       780
         54 tatacactca ceggaattac tteaaagage egtgaatett atgetaaege eggtgttate
                                                                                                                                                       840
         55 gccgagcagg caattgctca agttcgaact gtttattctt atgttggaga gagtaaggca
                                                                                                                                                       900
         56 cttaatgcgt attcggatgc gattcagtat acgcttaagc tcggttataa agcggggatg
                                                                                                                                                      960
                gctaaagggt tgggtttagg atgtacttat ggaatagctt gtatgtcatg ggctttggtg
                                                                                                                                                     1026
                      Therefore the another that the thory is the equation of a grant and a grant that the contract of the contract 
                                                                                                                                                    1090
```

in divina stitui sekala tili elemene elemene ala elemene elemene elemene. Elemene atta aalakkat alit da titit takkoottat settit hallindan hittakat elemene elemene elemene elemene elemen RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/817,762

DATE: 08/09/2001 TIME: 16:57:02

Input Set : A:\PTO.txt

63	aatattttct	tcccttctgg	gaaaactgtg	gcggttgttg	gtgggagtgg	ctctggaaag	1380
64		tttccctcat					1440
65	gatggtgttg	agataaagac	gcttcagttg	aagtttttgc	gtgaacaaat	cgggcttgtg	1500
66	aatcaagaac	ctgcgctctt	tgccactact	atactagaga	acatactcta	tggaaagcct	1560
67	gatgcaacaa	tggttgaagt	tgaagctgct	gcttccgctg	cgaatgcgca	tagtttcatt	1620
68	acattacttc	ctaaaggcta	cgacacacag	gttggagaac	gtggtgttca	actctcaggt	1680
69	ggacagaagc	agagaattgc	aattgctagg	gcgatgttga	aagacccaaa	gattctgtta	1740
70	ctagatgaag	ctacaagcgc	tcttgatgct	agctctgaga	gcattgttca	ggaagcttta	1800
71	gacagagtca	tggtggggag	gaccactgtt	gttgttgctc	atcgtctctg	caccatcaga	1860
72	aatgttgatt	ccattgccgt	gatacagcaa	ggccaagttg	ttgaaaccgg	aacacatgaa	1920
73	gaactcattg	ccaaatccgg	tgcttacgca	tccctcatca	ggtttcagga	aatggttggt	1980
74	actcgagatt	totcaaaccc	gtcaactcgt	cgcactcgtt	caacccgttt	gaqccattca	2040
75	ctgtcaacga	aatcactcag	tttaagatca	ggaagtttga	ggaatctgag	ctattcttac	2100
76	agcactggag	ctgatggtcg	gatagagatg	atttcaaatg	cagagactga	ccgaaagact	2160
77	cgtgcccctg	aaaattactt	ctacaggctt	ctcaagctta	attcaccgga	atggccttac	2220
78	tcaatcatgg	gagcagtagg	ctcaattctt	tctggtttca	ttggtcctac	atttgctatt	2280
79	gtgatgagca	acatgatcga	agtcttctac	tacacagact	atgattcaat	ggaaaggaaa	2340
80	acaaaagagt	atgtcttcat	ctacattggt	gctggtctct	atgctgtggg	tgcttatttg	2400
81	atccaacatt	acttctttag	catcatggga	gaaaacctca	caacaagagt	aagaagaatg	2460
82	atgctctcag	ctatcttgag	aaacgaagtt	ggttggttcg	atgaggatga	acacaactca	2520
83	agcctgatcg	ctgcacgttt	agctactgat	gcagcagatg	ttaaatccgc	tatagccgag	2580
84	agaatctcag	taattctaca	aaacatgact	tcacttctca	catccttcat	agtcgccttc	2640
85	atagtagaat	ggagagtctc	acttctcatc	ttaggcacat	tcccacttct	agtcctcgct	2700
86	aactttgctc	agcaactatc	tctgaagggt	tttgctggag	acacagctaa	ggctcatgca	2760
87	aagacttcaa	tgattgctgg	tgaaggagtc	agtaacatta	gaaccgtagc	agctttcaat	2820
88	gcacagagca	agattctctc	tttgttctgt	catgagette	gtgtacctca	gaaaagaagc	2880
89	ttaagcttat	accgaagtca	aacctcgggt	ttcctatttg	gcctctcgca	gcttgctctc	2940
90	tatggttctg	aggctttaat	tctctggtat	ggtgcccacc	ttgtgagtaa	aggcgtgtca	3000
91		aagtgatcaa					3060
93	gaaactgtca	gtcttgctcc	tgaaattatt	cggggaggtg	aagctgttgg	ttcggttttc	3120
94	tcggtcttgg	acaggcagac	caggattgac	ccggatgatg	ctgatgctga	tcccgtggag	3180
95	acgatccgtg	gagacattga	gtttaggcat	gttgatttcg	cttacccttc	aagacccgac	3240
96	gtcatggttt	tcagggactt	taacctcaga	attcgagctg	gacatagcca	agctcttgtg	3300
97	ggcgcgagtg	ggtcagggaa	gagttctgta	attgcgatga	tcgagcggtt	ttacgacctt	3360
98	cttgctggaa	aagtcatgat	tgatggcaaa	gacateegee	ggctaaacct	gaaatctcta	3420
99	aggctcaaaa	toggtottgt	tcaacaagaa	ccagctcttt	tegeageaac	gatettegae	3480
100	aacatcgcct	t atggtaaaga	a tggtgcaact	gaatccgag	g taattgatgo	c agetegagee	3540
101	gcaaatgcto	c acggtttcat	: cagtggttta	a cctgaaggtt	t acaaaactco	c agtaggcgaa	3600
102	agaggagtgd	c agttatcagg	g tggacagaaa	a cagaggatco	g cgatagcaag	g agetgtgete	3660
103	aagaacccta	a cagtgttgct	tctagacgaa	a gcaactagco	g cactagatgo	c agaatcagaa	3720
104			, , , ,			t ggtagttgct	3780
105						a cgggcggatt	3840
106						a ttcaaggctg	3900
107						a aaaaateggt	3960
100	* • 4 t 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	+++++-3+3+	+ 33334+++:	a atttadaada	a tttctatqqa	a ctataacqat	4020

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/817,762

DATE: 08/09/2001 TIME: 16:57:02

Input Set : A:\PTO.txt

```
114 <213> ORGANISM: Arabidopsis thaliana
116 <400> SEQUENCE: 2
    Met Ser Glu Thr Asn Thr Thr Asp Ala Lys Thr Val Pro Ala Glu Ala
117
118
                     5
                                        1.0
119
    Glu Lys Lys Clu Gln Ser Leu Pro Phe Phe Lys Leu Phe Ser Phe
120
                2.0
                                    25
121
    Ala Asp Lys Phe Asp Tyr Leu Leu Met Phe Val Gly Ser Leu Gly Ala
122
             35
                                40
123
     Ile Val His Gly Ser Ser Met Pro Val Phe Phe Leu Leu Phe Gly Gln
124
                             55
125
    Met Val Asn Gly Phe Gly Lys Asn Gln Met Asp Leu His Gln Met Val
                                             7.5
126
127
    His Glu Val Ser Arg Tyr Ser Leu Tyr Phe Val Tyr Leu Gly Leu Val
128
                     85
                                        90
    Val Cys Phe Ser Ser Tyr Ala Glu Ile Ala Cys Trp Met Tyr Ser Gly
129
130
                                    105
131 Glu Arg Gln Val Ala Ala Leu Arg Lys Lys Tyr Leu Glu Ala Val Leu
132
            115
                                120
                                                    125
133
    Lys Gln Asp Val Gly Phe Phe Asp Thr Asp Ala Arg Thr Gly Asp Ile
134
                            135
        130
135
    Val Phe Ser Val Ser Thr Asp Thr Leu Leu Val Gln Asp Ala Ile Ser
136
                        150
                                            155
137
    Glu Lys Val Gly Asn Phe Ile His Tyr Leu Ser Thr Phe Leu Ala Gly
139
                    165
                                        170
140
    Leu Val Val Gly Phe Val Ser Ala Trp Lys Leu Ala Leu Leu Ser Val
141
                180
                                    185
142
    Ala Val Ile Pro Gly Ile Ala Phe Ala Gly Gly Leu Tyr Ala Tyr Thr
143
            195
                                200
144
     Leu Thr Gly Ile Thr Ser Lys Ser Arg Glu Ser Tyr Ala Asn Ala Gly
145
                             215
                                                 220
146
    Val Ile Ala Glu Gln Ala Ile Ala Gln Val Arg Thr Val Tyr Ser Tyr
147
                        230
                                            235
148
    Val Gly Glu Ser Lys Ala Leu Asn Ala Tyr Ser Asp Ala Ile Gln Tyr
                     245
                                        250
150
    Thr Leu Lys Leu Gly Tyr Lys Ala Gly Met Ala Lys Gly Leu Gly Leu
151
                                    265
                 260
                                                         270
152
    Gly Cys Thr Tyr Gly Ile Ala Cys Met Ser Trp Ala Leu Val Phe Trp
153
            275
                                280
154
    Tyr Ala Gly Val Phe Ile Arg Asn Gly Gln Thr Asp Gly Gly Lys Ala
155
         290
                            295
156
    Phe Thr Ala Ile Phe Ser Ala Ile Val Gly Gly Met Ser Leu Gly Gln
157
                        310
                                            315
158
    Ser Phe Ser Asn Leu Gly Ala Phe Ser Lys Gly Lys Ala Ala Gly Tyr
159
                     325
                                         330
     Two too Mot Clu the the Ash Cln Arg Pro Thr The Ile Gln Asp Pro
```

RAW SEQUENCE LISTING DATE: 08/09/2001 PATENT APPLICATION: US/09/817,762 TIME: 16:57:02

Input Set : A:\PTO.txt

Output Set: N:\CRF3\08092001\I817762.raw

165		370					375					380				
166	Asn	Phe	Asn	Ile	Phe	Phe	Pro	Ser	Gly	Lys	Thr	Val	Ala	Val	Val	Gly
167	385					390					395					400
168	Gly	Ser	Gly	Ser	Gly	Lys	Ser	Thr	Val	Val	Ser	Leu	Ile	Glu	Arg	Phe
169					405					410					415	
170	Tyr	Asp	Pro	Asn	Ser	Gly	Gln	Ile	Leu	Leu	Asp	Gly	Val	Glu	Ile	Lys
171				420					425					430		
172	Thr	Leu	Gln	Leu	Lys	Phe	Leu	Arg	Glu	Gln	Ile	Gly	Leu	Val	Asn	Gln
173			435					440					445			
174	Glu	Pro	Ala	Leu	Phe	Ala	Thr	Thr	Ile	Leu	Glu	Asn	Ile	Leu	Tyr	Gly
175		450					455					460				
176	Lys	Pro	Asp	Ala	Thr	Met	Val	Glu	Val	Glu	Ala	Ala	Ala	Ser	Ala	Ala
177	465					470					475					480
178	Asn	Ala	His	Ser	Phe	Ile	Thr	Leu	Leu	Pro	Lys	Gly	Tyr	Asp	Thr	Gln
179					485					490					495	
180	Val	Gly	Glu	_	Gly	Val	Gln	Leu		Gly	Gly	Gln	Lys		Arg	Ile
181				500					505					510		
182	Ala	Ile		Arg	Ala	Met	Leu		Asp	Pro	Lys	Ile		Leu	Leu	Asp
183			515	_		_	_	520	_	_		_	525			
185	Glu		Thr	Ser	Ala	Leu	_	Ala	Ser	Ser	Glu		He	Val	Gln	GIu
186	~ 1	530	_	_			535	~ 1	_	m)	m)	540	** 1	1		
187		Leu	Asp	Arg	val	Met	Val	GIĀ	Arg	Thr		Val	val	val	Ala	
188	545	T	C	m \	T1 -	550	3	37- 1	3	C	555	21-	37a 1	T1.	C1 =	560
189 190	Arg	ьeu	Cys	THI	565	Arg	ASII	val	ASP	570	116	Ald	val	me	575	GIII
191	Clu	Cln	W = 1	Wal		Thr	Clv	Пhr	Hic		Clu	Len	Tla	בות		Sar
192	GIY	GIII	vai	580	GIU	1111	GIY	1111	585	Giu	GIU	пец	110	590	цуз	501
193	Glv	Δla	Ψvr		Ser	Leu	Tle	Δra		Gln	Glu	Met	Val		Thr	Ara
194	Oly	HIG	595	niu	001	nea	110	600	1 110	OIII	Olu	1100	605		1	*** 9
195	Asp	Phe		Asn	Pro	Ser	Thr		Ara	Thr	Ara	Ser		Ara	Leu	Ser
196		610	001			501	615	9	5		•••	620		5		
197	His		Leu	Ser	Thr	Lys		Leu	Ser	Leu	Arq	Ser	Gly	Ser	Leu	Arq
198	625					630					635		-			640
199	Asn	Leu	Ser	Tyr	Ser	Tyr	Ser	Thr	Gly	Ala	Asp	Gly	Arg	Ile	Glu	Met
200				-	645	-			-	650	_	_	-		655	
201	Ile	Ser	Asn	Ala	Glu	Thr	Asp	Arg	Lys	Thr	Arg	Ala	Pro	Glu	Asn	Tyr
202				660					665					670		
203	Phe	Tyr	Arg	Leu	Leu	Lys	Leu	Asn	Ser	Pro	Glu	Trp	Pro	Tyr	Ser	Ile
204			675					680					685			
205	Met	Gly	Ala	Val	Gly	Ser	Ile	Leu	Ser	Gly	Phe	Ile	Gly	Pro	Thr	Phe
206		690					695					700				
207		Ile	Val	Met	Ser	Asn	Met	Ile	Glu	Val		Tyr	Tyr	Thr	Asp	-
208	705					710					715					720
209	Asp	Ser	Met	Glu		Lys	Thr	Lys	Glu	-	Val	Phe	Ile	Tyr		Gly
					3 ^ E					730					735	

. . .

RAW SEQUENCE LISTING DATE: 08/09/2001 PATENT APPLICATION: US/09/817,762 TIME: 16:57:02

Input Set : A:\PTO.txt

Output Set: N:\CRF3\08092001\I817762.raw

215 216	Ser	Ala 770	Ile	Leu	Arg	Asn	Glu 775	Val	Gly	Trp	Phe	Asp 780	Glu	Asp	Glu	His
217	Asn	Ser	Ser	Leu	Ile	Ala	Ala	Arg	Leu	Ala	Thr	Asp	Ala	Ala	Asp	Val
218	785					790					795					800
219	Lys	Ser	Ala	Ile	Ala	Glu	Arg	Ile	Ser	Val	Ile	Leu	Gln	Asn	Met	Thr
220					805					810					815	
221	Ser	Leu	Leu		Ser	Phe	Ile	Val	Ala	Phe	Ile	Val	Glu	Trp	Arg	Val
222				820					825					830		
223	Ser	Leu		Ile	Leu	Gly	Thr		Pro	Leu	Leu	Val		Ala	Asn	Phe
224			835					840		_	_		845	_		_
225	Ala		Gln	Leu	Ser	Leu	-	Gly	Phe	Ala	Gly	-	Thr	Ala	Lys	Ala
226		850	_		_		855					860	_	_		_
227		Ala	Lys	Thr	Ser		He	Ala	Gly	Glu		Val	Ser	Asn	Ile	
228	865	77- 7		31.	D1	870		a 1	Q	.	875	.	a .	.	D1 .	880
229	THE	val	Ala	Ата	885	ASI	Ата	GIN	Ser	890	шe	ьeu	ser	Leu	895	Cys
231 232	uic	C1	Tou	7 ~~		Dro	Cln	T 110	Arg		τ ου	Com	Tou	Mrrw		Cor
232	птъ	GIU	Leu	900	Val	PIO	GIII	гуу	905	261	ьeu	ser	Leu	910	AIG	261
234	Gln	Thr	Ser		Dhe	T.eu	Phe	Glv	Leu	Ser	Gln	T.e.u	λla		ጥኒፖን	Glv
235	GIII	1111	915	Gry	FIIC	пец	FILE	920	пец	Ser	GIII	пец	925	пец	TÄT	Gry
236	Ser	Glu		Leu	Tle	Leu	Tro		Gly	Ala	His	Leu		Ser	Lvs	Glv
237	001	930		БСС	110	ne u	935	-1-	Oli	1114	1115	940	, u i	DCI	шур	Oly
238	Val		Thr	Phe	Ser	Lvs		Ile	Lys	Val	Phe		Val	Leu	Va l	Tle
239	945					950			_1 -		955					960
240	Thr	Ala	Asn	Ser	Val	Ala	Glu	Thr	Val	Ser	Leu	Ala	Pro	Glu	Ile	Ile
241					965					970					975	
242	Arg	Gly	Gly	Glu	Ala	Val	Gly	Ser	Val	Phe	Ser	Val	Leu	Asp	Arg	Gln
243				980					985					990		
244	Thr	Arg	Ile	Asp	Pro	Asp	Asp	Ala	Asp	Ala	Asp	Pro	Val	Glu	Thr	Ile
245			995					1000					1005			
246	Arg	Gly	Asp	Ile	Glu	Phe	Arg	His	Val	Asp	Phe	Ala	Tyr	Pro	Ser	Arg
247		1010					1015					1020				
248			Val	Met	Val			Asp	Phe	Asn		-	Ile	Arg	Ala	
249	1025					1030					1035					1040
250	His	Ser	Gln	Ala			Gly	Ala	Ser	_		Gly	Lys	Ser		
251	- 1				1045		_,	_		1050				_	105!	
1152	He	Ala	Met			Arg	Phe	Тyr	Asp		Leu	Ala	Gly			Met.
253	T1 -		01	1060		~ 1.	_	_	1065		_			1070		_
254	тте	Asp	_	_	Asp	шe	Arg	-	Leu	Asn	Leu	ьуs			Arg	ьeu
255	T	- 1 -	1075	-	77- 1	a1	a1	1080			.	D1	1085		m1	T1 -
256 257	гÀг	11e		ьeu	val	GIN	1095		Pro	АТА	ьeu	Pne 1100		Ala	Thr	TTE
257 258	Dhe		-	Tle	λίο	mur.			Asp	C111	λ l ~			Sor	Clu	Wal.
259	1105		ASII	116	AId	1110	_	пЛЯ	АЗР	σтУ	A1a		GIU	ser	GIU	vai 1120
202			X 1 ×	7 75	N m or			λου	F! A	ніс			Tlo	cor	C1	
	• •				** '4	** 1	75 1 1	A4 15 11	75 . 1	11.1.35	17 T V	17 1147	1 ; H	2 ← 1,	(1)	T16.4 (T

(x,y,y) = (x,y) + (x

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/817,762

DATE: 08/09/2001

TIME: 16:57:03

Input Set : A:\PTO.txt

Output Set: N:\CRF3\08092001\I817762.raw

 $\verb|L:12 M:270 C: Current Application Number differs, Replaced Current Application Number \\$

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

OIPE

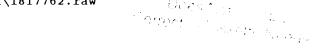
RAW SEQUENCE LISTINGPATENT APPLICATION: US/09/817,762

DATE: 08/09/2001

TIME: 16:39:43

Input Set : A:\SEQLISTCIP.txt

Output Set: N:\CRF3\08092001\I817762.raw



- 4 <110> APPLICANT: Spalding, Edgar P.
- 5 Noh, Bosl
- 7 <120> TITLE OF INVENTION: MDR-Like ABC Transporter Gene From
- 8 Plants
- 10 <130> FILE REFERENCE: 13238-00061
- C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/817,762
- C--> 13 <141> CURRENT FILING DATE: 2001-03-26
 - 15 <150> PRIOR APPLICATION NUMBER: PCT/US99/22363
 - 16 <151> PRIOR FILING DATE: 1999-09-24
 - 18 <150> PRIOR APPLICATION NUMBER: US 60/101,814
 - 19 <151> PRIOR FILING DATE: 1998-09-25
 - 21 <160> NUMBER OF SEQ ID NOS: 14
 - 23 <170> SOFTWARE: FastSEQ for Windows Version 4.0

ERRORED SEQUENCES

- 1404 <210> SEQ ID NO: 10
- 1405 <211> LENGTH: 14000
- 1406 <212> TYPE: DNA
- 1407 <213> ORGANISM: Arabidopsis thaliana
- 1409 <220> FEATURE:
- 1410 <221> NAME/KEY: misc_feature
- 1411 <222> LOCATION: (3429)...(0)
- 1412 <223> OTHER INFORMATION: Translation start codon
- 1414 <300> PUBLICATION INFORMATION:
- 1415 <308> DATABASE ACCESSION NO: Genbank AP000386
- 1416 <309> DATABASE ENTRY DATE: 1999-08-03
- 1418 <400> SEQUENCE: 10

1419	caattaatta	tatcaaaatt	togtatatoa	tttaaaattc	atcactgatt	tttgtttaga	60
1420	aaaaaagata	gatagctatg	gacatgacgt	cgaattttaa	tatatectat	gtaacagtgt	120
1421	tcatataatc	aaaaaagaaa	aaataattac	tattgtttgt	gttctttgca	acaatgcgtt	180
1400			+++++-+-+	+ - + + +	a++ a>a+>+a	2+++200000	3 4 6

- 1422 agaaactegg agaceactig tittitetet tatgatiteg eticagtatg attitageaaa 240 1423 geatetetae ggtacaaaat atettaegaa tigacatgat etgateeaea etatateaag 300
- 1424 gagttagaaa gacagaactg aaagcttctt agctcgatat gtatttcaag ctacggttca 360
- 1425 caccatctag ggagacaaga atggaagaag gcatgacgtc aagtegaact atgcagetet 420
- 1427 ottacttaaa tgggtogaca aacaaatacg gaaccaacta toatocatto gagcaagegg 480 1428 tgataggtgg tatgactaag gtototaaat ttggtttacg gogaaaaatt aattgatcaa 540
- 1429 aaaatttttg gtttagtgtt ttaagatett ttteaaaaaa aegttgtatt tgatgtataa 600
- 1430 acqctatttc tttttqaaat taatttaata ttatttttgt ttgaaaagaa gaagaaacat 660

ing and the state of the first constitution of the season of the season

- 14.35 acquaacato gitigaageeq iqaagiiggea tiggictaca chagageaac acaadaaqah $\sim -\pi$ 14.35 aaccactica catggiotigo tottacatto ataaccqaat chaagicact titagiiggi ~ 1.725
- 1437 totaattttg taactattat tocaacacct ctttttttac tttttagatt gttttataat 1080

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/817,762

DATE: 08/09/2001 TIME: 16:39:44

Input Set : A:\SEQLISTCIP.txt

1438	agaaatattt	taattcctaa	attaataatg	aaagtaaatg	taatatgagt	cagtacaata	1140
1439	tgtgaaaaac	ttaaaaagtt	gacagaattt	agcatttgat	taaaagtgta	tgaagaagaa	1200
1440	gaaaaaagaa	gatctttttg	tatctataga	tttagtgcat	aacttttctc	agattttcga	1260
1441	tatatacaag	aatttaacat	aagaaaaatc	aagacaaatg	gacctggtta	taatcggtta	1320
1442	tctgttgtaa	atattatatt	tcatattctt	ctccacttca	taattcttat	tggagttcct	1380
1443	tcaccaaatg	tttgatgttc	cattaaatta	atctaccact	ctaataagag	gtatcgtact	1440
1444	acaaattaca	cttcataaac	aagagaagaa	cataaatttg	aatttttta	aaaaaacata	1500
1445	tgcgttataa	caccaaacag	taacggacta	gctgatcctt	gaatttatat	tagttgcaaa	1560
1446	aatttatata	tcgaaattga	aacatgaatt	tttaaaatta	ttagaaaatg	tatgatgttg	1620
1447	tctaaatgtg	acattacaaa	tacatgatgt	tgtttaaaaa	ttattataaa	acaaccaaag	1680
1448	tttggcgtca	ttctggtaaa	cgcacttaat	gaatttatat	acagttaaag	attttaacat	1740
1449	caaattttaa	aatgacaact	taactaaaat	tigtatocta	atatttttac	tagagaaact	1800
1450	cacacatatt	tttcaaacaa	atgattagtt	atatatcctt	cgataatagg	tattgtgtaa	1860
1451	aactgtgtgg	tttgcacaag	tgatccctcg	atattctttc	tgctaaagat	cgacttccca	1920
1452	cagtttcgat	atctcgggtt	tgggtgcaat	agcatatgct	tgtttagtat	gcagataatc	1980
1453	gtatgagaga	gtcagagaga	tcatctattt	ttcatgatat	ggtctgagct	aatcgatcat	2040
1454	ttgttattta	tactcgataa	cgttctaatt	tgtatgattt	ttcagccttg	atctatcaca	2100
1455	aaatggagat	aatgaaatgg	tagtcataag	aaaggtaatg	atccccttga	catgcttatt	2160
		aagtaatcgc	-		, ,		2220
		tctaagtgtg					2280
1458	aaaatataaa	gttcttcatc	attgtcataa	ggagttaatt	ggatatacat	caaaaaattt	2340
1459	cctaaatttt	tagaaattat	taatcaagtt	ataatagaaa	ttattaaata	aaatatatga	2400
1460	tgttttctaa	atgtgacgat	acaaaataca	tgatgttgtt	caaaacttat	tagacagaaa	2460
1461	ccaaagtaca	tcatcattgt	gatgaagact	ttaatggatt	tatacatttc	aaagttttaa	2520
1462	acattactta	tttaaatgaa	aaattgagct	aaaatttgta	tacttatatg	ttgaccatag	2580
		atataatttt					2640
	_	tatttacaca	-	-			2700
	_	ttgtttaaaa	,		_		2760
1466	tcattggatt	atatctaact	ctaaacatga	atttttatac	aatgacatgt	tcaataaaat	2820
		tagtttgacc	-		-	_	2880
		gaatcacacc					2940
		ttaacaaaaa				-	3000
		tagtcaattc			-	-	3060
		tttacaaaat	-		-	_	3120
		gtctcaatga		-			3180
		tcacaccctt					3240
		cactcgtaaa					3300
	=	ataaaacaaa				•	3360
	-	ttctcactaa	_				3420
		gtcggaaact	-	-	-		3480
		acagagttta				-	3540
		gttcgttggt		-			3600
		ctttggtcaa			-	,	3660
		tgaagtetet					3720
- 13 3		~+45+~+33+	*****	ataaaatttt	gragiation	ctatatttcd	3780

DATE: 08/09/2001

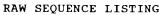
TIME: 16:39:44

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/817,762

Input Set : A:\SEQLISTCIP.txt

				agaaatctaa			-		
	1489	tcctcaaagt	gaccatttac	tctgaaggta	aaacattttt	ttttactcta	caacaaaaac	4140	
	1490	ccaacttctt	tttttgtttg	cttcaaaatt	atattaaaaa	aagaaagctt	aaactttgtt	4200	
	1491	taaaatcttg	ttttttttgt	cattcgcttt	tgattagaac	taaaaaaacc	atttttatag	4260	
	1492	aatgttgttt	acataagtga	tgtaatgggg	ttcggaacga	actttccgtg	ccaaccgctt	4320	
	1493	ttatagacaa	gaaatctaaa	ggtgtaattt	ttgagttttt	atttgattct	tccacaaagt	4380	
	1494	gatcatttac	tctggtaaac	attttttac	tctacaacaa	aaacccaact	tttttatgtt	4440	
	1495	tgcttcaata	aataaaaacc	tagaaacaga	aatcacaatc	tagagagaat	caaaattata	4500	
	1496	tataaaaaaa	aaacacttca	aatttttaaa	aattttaata	tgttaaaagg	ataagccaag	4560	
	1497	tccacgtgat	tcatggacta	ctactttgtc	tatatcgaaa	aaaaaaaaa	aatgggcatc	4620	
	1498	tctctcacat	ttattacaac	ttcataaaaa	ttcttgtaat	aataaccata	attttttgtt	4680	
W>	1499								
aaata	aatttt	acagagatag	g catgttggat	t gtattctgga	a gaaagacaa	g tagcagcati	4740 a	aggaagaaa	tatcttgaag
				gggttctttg		4800			
				ttagtgtttc		cttcttqttc	aagatgccat	4860	
			-	tttttttac	_	_			
				atctttatca					
			_	gtggttaggg					
		_		attttttca		_	_		
		_		gaggatttt		-			
			_	tttaatataa			_		
		_		gtttctttaa	_				
				attttaatag					
			-	tggtgcacgt		_			
				tcactctttt					
		-		tttctcaggt			_		
			_						
				gatttgtatc					
				tcgccggagg	_				
				atgctaacgc					
				tgttttattt	_				
		_		cttctttgta	_	_			
		tcattgette	ttatgcaatc	caaagactta	aacagtgttt	tcactaattc	aaaatctttg	5880	
W>							5040		
				ttggtttctd			a 5940 a	ctgtttatt	cttatgttgg
			-	cgtattcgga		6000			
				taaagcgggg					
				atgggctttg					
				aaaggcgttt	-	_			
				acaatgatgt			_		
				ctgtgtgtgt					
				gtaaagcggc					
				acccgttgga					
				cttttagcta					
E >	1530	gaactttaat	${\tt attttcttcc}$	cttctgggaa	aactgtggcg	gttgttggtg	ggagtggctc	6540	
τ, ,	1231	tqqaaaqaqt	actittiqtti	ccctcattga	gagattctat	gatccaaaca	gcggtaattt	. 6600	
		1 V W 1 1	1 4 3 4 5 5 7			i			
	2 + **			aaccygycc.					
E>	1535	actatactag	agaacatact	ctatggaaag	cctgatgcaa	caalggilga	agttgaaget	·· 8 1 ()	
E>	1536	gctgcttccg	ctgcgaatgc	gcatagtttc	attacattac	ttcctaaagg	ctacgacaca	6900	
E >	1537	caggtataaa	tcaaatattt	gattatatgt	ctagttaatg	tcatggcctt	ttgcttaatt	6960	



PATENT APPLICATION: US/09/817,762

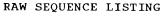
DATE: 08/09/2001 TIME: 16:39:44

Input Set : A:\SEQLISTCIP.txt

					agaacgtggt			7020	
					gttgaaagac	_	-	7080	
					tgagagcatt			7140	
					tgctcatcgt	-		7200	
		-			agttgttgaa		, ,	7260	
		_		-	catcaggttt			7320	
E>	1544	agatttctca	aacccgtcaa	ctcgtcgcac	tcgttcaacc	cgtttgagcc	attcactgtc	7380	
E >	1545	aacgaaatca	ctcagtttaa	gatcaggaag	tttgaggaat	ctgagctatt	cttacagcac	7440	
E >	1546	tggagctgat	ggtcggatag	agatgatttc	aaatgcagag	actgaccgaa	agactcgtgc	7500	
E >	1547	ccctgaaaat	tacttctaca	ggcttctcaa	gcttaattca	ccggaatggc	cttactcaat	7560	
E>	1548	catgggagca	gtaggctcaa	ttctttctgg	tttcattggt	cctacatttg	ctattgtgat	7620	
E>	1549	gagcaacatg	atcgaagtct	tctactacac	agactatgat	tcaatggaaa	ggaaaacaaa	7680	
E>	1550	agagtatgtc	ttcatctaca	ttggtgctgg	tctctatgct	gtgggtgctt	atttgatcca	7740	
E>	1551	acattacttc	tttagcatca	tgggagaaaa	cctcacaaca	agagtaagaa	gaatgatgct	7800	
E>	1552	ctcaggtatg	tatcaaaatc	tcctgaattt	gcttaaaatc	actttcccat	ttcttatttt	7860	
E>	1553	ggtttcttga	ttgttcttat	ttagctatct	tgagaaacga	agttggttgg	ttcgatgagg	7920	
E>	1554	atgaacacaa	ctcaagcctg	atcgctgcac	gtttagctac	tgatgcagca	gatgttaaat	7980	
E >	1555	ccgctatagc	cgagagaatc	tcagtaattc	tacaaaacat	gacttcactt	ctcacatcct	8040	
E>	1556	tcatagtcgc	cttcatagta	gaatggagag	tctcacttct	catcttaggc	acattcccac	8100	
E>	1557	ttctagtcct	cgctaacttt	gctcaggtaa	ataatctaat	ctttttactc	aaaatctttc	8160	
M>	1558	aatattcatc	aatcattaaa	atataattgg	aatcttgcat	tcaccattat	gatcttaaga	8220	aaaaacgaca
E >	1559	aaaggccaga	tttttataaa	tttatatttg	$\mathtt{cttttcaaaa}$	gttcaaaact	8280		
E>	1560	ttatagaaca	tggcaacaca	gccactgcct	ctacacgtgc	ttcatcttct	aactttatcc	8340	
E >	1561	aagtttgcat	ttatgtttac	aataataatc	ataaaagaat	tattaagaag	ctttttttt	8400	
E>	1562	ctactttttg	gaaatagtgt	aagggtcaag	atcatggagc	cctcacatca	ataaatgtgc	8460	
E>	1563	taaaaaaatt	aaaaaacagt	aggctttagt	ttactctctg	ggcatgtgtg	aagaatattt	8520	
E>	1565	attatatagt	ttctattggt	actatgaccc	atagataaca	gtgttcacga	aaatagctaa	8580	
E>	1566	gattcctctg	tcttttgctt	ctgctaaatc	tatcctactt	taagctttca	tatttacttc	8640	
E>	1567	actctctgaa	ctctgaactg	tgatcccact	tctctctta	tttaattctt	ttgcccataa	8700	
E>	1568	aacctcacca	caaaaatcca	aaaaatctgc	aattttttc	cttcttagaa	ccaatatttt	8760	
E>	1569	atttagagtt	cttcattggt	caaagttgtt	gtctcagtgc	attatttact	tatcacagtg	8820	
E>	1570	tgtgtgtcag	tgtttttaca	ccatccacta	gtcaatgttt	gcttgtgggt	ttctttgttt	8880	
E>	1571	tggtagatta	ggttgtgatg	agttttttt	ttgtttctaa	ctagctgcaa	ggttcaggac	8940	
E >	1572	tctgctttga	tatatcacca	acatttttc	acccgtgatc	taattattag	ttgaaaaatc	9000	
E >	1573	tatcaaatag	atttcacaca	gaagaacata	gataggcatt	gtacttgtac	tgatgttgat	9060	
E>	1574	gggatagagt	gttgcatatg	tgatttaact	atatggttct	acgtcatgtt	ttagtggcga	9120	
E>	1575	cttagacctt	tgattgtcaa	tcttattttt	tacaagtgaa	ctattattac	catctgttgt	9180	
E>	1576	tctaaatcat	aagtattaat	atatgtggct	acattgcagc	aactatctct	gaagggtttt	9240	
E>	1577	gctggagaca	cagctaaggc	tcatgcaaag	acttcaatga	ttgctggtga	aggagtcagt	9300	
E>	1578	aacattagaa	ccgtagcagc	tttcaatgca	cagagcaaga	ttctctctt	gttctgtcat	9360	
E>	1579	gagcttcgtg	tacctcagaa	aagaagctta	taccgaagtc	aaacctcggg	tttcctattt	9420	
E>	1580	ggcctctcgc	agcttgctct	ctatggttct	gaggctttaa	ttctctggta	tggtgcccac	9480	
E>	1581	cttgtgagta	aaggcgtgtc	aaccttttcc	aaagtgatca	aagtgtttgt	ggttttggtc	9540	
E>	1582	attactgcaa	${\tt actctgttgc}$	tgaaactgtc	agtcttgctc	ctgaaattat	tcggggaggt	9600	
F >	1583	gaagetgttg	gttcggtttt	ctaggtattg	gacaggcaga	ccaggattga	cccggatgat	9660	

e describer de la companya del companya de la companya del companya de la company

r (2). W. atogagoggi (titaogacci oʻligcigya aaagicatya (figatiggoaa aqacafing) () 🐡



PATENT APPLICATION: US/09/817,762

DATE: 08/09/2001 TIME: 16:39:44

Input Set : A:\SEQLISTCIP.txt

				aaggctcaaa				9960
E>	1589	ttcgcagcaa	cgatcttcga	caacatcgcc	tatggtaaag	atggtgcaac	tgaatccgag	10020
E>	1590	gtaattgatg	cagctcgagc	cgcaaatgct	cacggtttca	tcagtggttt	acctgaaggt	10080
E>	1591	tacaaaactc	cagtaggcga	aagaggagtg	cagttatcag	gtggacagaa	acagaggatc	10140
E>	1592	gcgatagcaa	gagctgtgct	caagaaccct	acagtgttgc	ttctagacga	agcaactagc	10200
E>	1593	gcactagatg	cagaatcaga	atgcgtgctg	caagaggcgt	tagagaggct	catgagaggt	10260
E>	1594	cggaccaccg	tggtagttgc	tcaccgcttg	tccaccataa	gaggtgttga	ttgcattggt	10320
E>	1595	gtgattcaag	acgggcggat	tgtggagcaa	ggcagccatt	cagagetegt	tagccgacca	10380
E>	1596	gagggagctt	attcaaggct	gttacagctt	caaacacata	ggatttgaag	cttgatcatg	10440
E>	1597	gattaaaaac	aaaaaatcgg	tttgtgtaat	ttttttata	ttaaaacttt	aatttggaag	10500
E>	1598	atttctatgg	actataacga	taatatgaat	aggtgtagat	aatgaagctt	ttggagtgtt	10560
E>	1599	tatgaaggtt	ctttaattaa	gggttatttt	tttcgcattt	tgcttatgtg	cccgttttgg	10620
E >	1600	aacataagac	tgaactatgt	tttcgttatg	tttttaattt	atgcctcgaa	acaaaacaaa	10680
E>	1601	atcactctaa	tactttggtt	gatcaaaatt	tccctaaaac	atttggttca	tgactagaat	10740
E>	1602	tgatcggaca	tgttctttta	ggggtttgat	ctcgcatggt	ctaatcaggt	tatgtggtct	10800
E >	1603	tacagcgact	taatcaattt	agaccggcta	tcaaaattag	attcagccta	aacagcaaaa	10860
E >	1604	ttgtcttata	taatatccta	aatcacagac	cggattttt	ttttttataa	actctatcgg	10920
E>	1605	ctgatccggt	caaccccggt	agaaacgcac	tgaagtgttt	catagtggac	ttcaaaccga	10980
E>	1606	aattttgcag	aaattgagat	gagaatgagc	tctacctcgc	attgacatgt	tatttcgttc	11040
E>	1607	ttgagatctt	aagtaatttt	ttgagatctt	aagtaatttt	ttggtattca	agttccttat	11100
E>	1608	ttttttgcgg	ttactcgtct	tgacatgtta	tttcgttctt	gtgctactta	cataccacaa	11160
E>	1609	tatatgtagg	tttctaaaca	tatataatag	gaatgttgtt	ctatatatgt	gttgtttgat	11220
E>	1611	acgtaaagag	taatctggtt	ctacgtagag	tctatctctt	gtttcttggt	gagattttga	11280
E>	1612	ctggactgca	tggtaatcct	cgcgcatggt	gtttagttac	cggttgcttc	attcatttgg	11340
E>	1613	ccacgctcaa	attttctaga	agactcttcg	gtctttggta	${\tt caaaggcctc}$	cgatttttcc	11400
E>	1614	atgacaagtt	cattcatatt	tttttgtgac	aacttgattg	ttgttcattt	ccgaatattc	11460
E>	1615	catgaacgta	tcaaactcaa	taaaatcgat	tgttgtcact	ccctttaaga	tgagatcctc	11520
E>	1616	aacggcagct	tcaccactag	ccatgttttc	acacatgatc	aactatctca	catttttact	11580
E>	1617	aaggctttaa	gcaggaatat	tacttctaga	attttaacaa	tctagaattt	ctagaggaaa	11640
E>	1618	tgttcacatg	tatatattt	ggtatatgat	ctagagaact	tatataagat	tatcaatgtt	11700
E>	1619	taatatactc	aacaaatggg	ttcttctatt	ttatcttcta	attgttgggg	ccttgaatta	11760
E>	1620	tttagttctt	tttcactatt	ccttttcttt	tatttggtgt	gtggagccat	aaagttccaa	11820
E>	1621	taatttctat	gaaaagaaat	gaataaaatc	taaagaaacc	aactgtgaag	ctctttaatc	11880
E>	1622	ttattctatc	tgttggatct	gtttgccttt	atttgctttg	catgtggttt	tgctgtttaa	11940
E>	1623	gataaaggcc	${\tt atatcttctc}$	${\tt ctaattcttt}$	ttccaaatca	acacatcaaa	tatataaaag	12000
E>	1624	actccaaata	ttttgaatag	aatcataatt	tatttaatta	${\tt caaaaaaaact}$	taaagaattc	12060
E >	1625	aagacctgcg	atcacaagac	aaatacatgt	aaggaattaa	atatttaaga	taccaaccgc	12120
E >	1626	taataaataa	gactcacaat	ttctaaaaat	taaaacgaaa	aaaagaaaaa	attagtcatc	12180
E>	1627	${\tt attgcatatc}$	ttagtgaaca	aaaatcaata	agaaaaggat	aatatacttt	ttaccaacat	12240
E>	1628	${\tt cacataaacc}$	taaaagcatc	tcacaccaaa	agtaaattaa	aaactcagaa	aaagctgaat	12300
E>	1629	acaagttatg	aattttatgg	aaagtgttag	tgtgttagtg	ttgttatcat	tacaacttta	12360
E >	1630	aaataattat	gaacatgaaa	aaatagattg	aacatgaagc	agcattggga	aggactcgaa	12420
		-	-	aaacctcaag			_	12480
				tttgtatata				12540
1, >	1622	aggaacatiti	tqtaatcata	qaactaaggc	ataattttga	togtgtgaaa	taatactatt	12600

The free contact of the contact of t

E--> 1637 aaactacttt catttggtti gigigagaaa talaagaatt alcaaacaaa yaaaaaaygtt - 1.2849

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/817,762

DATE: 08/09/2001 TIME: 16:39:44

Input Set : A:\SEQLISTCIP.txt

E> 1638 ttgcttaatt ataatgatat gaggttcatc aaatttatat accactaaaa tattcctaca 12900
E> 1639 ctcatccaaa tattattctc gcttatgcag ttttaatcta atgtacaaat catatccata 12960
E> 1640 agcgcattgg ccgatgctaa aattttggca ttagttgttg atttgttttt cttgagtcct 13020
E> 1641 atgttcaaaa aatatatttg ataatttaat gtataaatta tacccataat cacattgatc 13080
W> 1642
aatgcttaaa gttttgtatt agttgttgat tttttgtttg tttgcgtgtg ttgaattttc 13140 ataaatgaaa agtaaatacg
E> 1643 ataatcatat ttcaaaacgt aaaggtgtta attagtagtc 13200
E> 1644 taaatggtaa aatataaaca gtatattata aaaattacta aaatggtttt gtaaaaaaaa 13260
E> 1645 tatgctattt gtattataat gaaattcaaa aattttaaat agaacgtata atttctgcac 13320
E> 1646 aaagaggttt tgaggtgtta taattcatga agtaaatttt atttactgac gggtaagttg 13380
E> 1647 tgaaaaagtt tgaagactat tttttttgct tttcacagag aaaactactt tcctttttaa 13440
E> 1648 ttgtatgatg agaaggcaaa agtgcagaca tgtgctttct tttctcccat tttcaacaat 13500
E> 1649 gtcactcgtt gtattattca tattttagca aactggttat atctatatct atcaatcatt 13560
E> 1650 tcagaacatc atatccatca gtttttggac attgctacat acgttagtat tgatgtacca 13620
E> 1651 gttaccctaa caggcttttg catagtgtgg cagaacacgt gaggtgtgat atatgcggat 13680
E> 1652 gaattctatg ttctgcattt tgttaccatt catataaaag tattgtttta gttgtgctgc 13740
E> 1653 ggtttaagtc ctaatacaga tttatttgta gtgttatgtt tataaaccac attggaaccc 13800
E> 1654 aaactctaag agaatataag atcaatgtgt aattaataaa ttttatagtc attcggataa 13860
E> 1655 aacttagaaa gataacaaaa gtaagaacga gtatttttaa gcgaatactc tttagatatt 13920
E> 1657 ctttgtattg atcattattg acaaaccatt aaacattttt gtagacccta aaatccgata 13980
E> 1658 tccaaaaaac aattcttatt 14000

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/817,762

DATE: 08/09/2001 TIME: 16:39:45

Input Set : A:\SEQLISTCIP.txt

Output Set: N:\CRF3\08092001\I817762.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:1499 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:9

L:1500 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:10

L:1500 M:254 E: No. of Bases conflict, LENGTH:Input:4800 Counted:4720 SEQ:10

M:254 Repeated in SeqNo=10

L:1520 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:9

L:1521 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:10

L:1558 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:8

L:1559 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:10

L:1642 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:9

L:1643 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:10

L:1658 M:252 E: No. of Seq. differs, <211>LENGTH:Input:14000 Found:13690 SEQ:10